

5827 / 5828

Cat. 6A Slim 180° UTP RJ45 Female Connector (Tool-Less)

DESCRIPTION

Unshielded Cat. 6A RJ45 female modular connector. Complies with Cat. 6A standards for RJ45 connectors with IDC insulation displacement. Designed for installation in patch panels, wall plates, or surface-mount boxes, and for tool-less termination.



APPLICATIONS

- Patch panels
- Surface-mounted boxes
- Rosettes
- Tool-free connection

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ADVANTAGES

- Exceeds the Cat. 6A requirements set forth in the standard.
- High protection against electromagnetic interference.
- Sturdy design and easy, tool-free installation.
- High quality.
- Quick and easy connection without tools
- Supports both T568-A and T568-B wiring configurations.
- Designed at a 180-degree angle for greater ease during future maintenance.

APPLICATIONS

10 Base T	Broadband
10G Base-T	ISDN
100 Base T4	100 Mbps Token Ring
100 Base TX	4 and 16 Mbps Token Ring
1000Base-T	

REGULATIONS

International standard for generic telecommunications cabling in buildings	ISO/IEC 11801:2002 (Ed. 2.2).
U.S. Standard for High-Performance Twisted-Pair Cabling (10G)	ANSI/TIA/EIA 568-B-2-10.
European standards for telecommunications cabling systems and cables	CENELEC EN 50288-3, EN 50173:2002, EN 50167, EN 50169.
Standard for modular telecommunications connectors (RJ45)	UNE-EN 60603-7-41.

PHYSICAL AND MECHANICAL PROPERTIES

Composed of	8 contacts
Cover material	Polycarbonate
Contact material	Gold-plated bronze on a 100-micrometer nickel base
Operating temperature	-20 °C to 60 °C
Conductor type	Solid-core wire, compatible with 22-26 AWG
Color	White (5827) / Black (5828)
Insulation resistance	500 MΩ
Contact resistance	20 mΩ
Connector force retention	140 N
Durability	750 cycles

ELECTRICAL SPECIFICATIONS

FREQUENCY	LLC	ATT	NEXT	NEXT POWER SUM
MHz	(dB)	(dB/100)	(dB)	(dB)
772 kHz	--	1.8	67.0	64.0
1MHz	20.0	2.0	65.3	62.3
4MHz	23.0	4.1	56.3	53.3
8MHz	24.0	5.8	51.8	48.8
10MHz	25.0	6.5	50.3	47.3
16MHz	25.0	8.2	47.3	44.3
20MHz	25.0	9.3	45.8	42.8
25MHz	24.2	10.4	44.3	41.3
31.25MHz	23.3	11.7	42.9	39.9
62.5MHz	20.7	17.0	38.4	35.4
100MHz	19.1	22.0	35.3	32.3
200MHz	18.0	29.2	40.8	37.8
250MHz	17.3	33.0	39.3	36.3
500MHz	15.6	48.1	34.8	31.8

BUSINESS INFORMATION

REFERENCE	DESCRIPTION	CONNEC-TOR TYPE	PIN NUM-BER	TERMINAL BLOCKS	U/EMB.
5827	Cat. 6A Slim 180° UTP RJ45 Female Connector (Tool-Less), White	UTP	8	110 IDC	25
5828	Cat. 6A Slim 180° UTP RJ45 Female Connector (Tool-Less), Black	UTP	8	110 IDC	25